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**Peroxidasic degradation of lignin**
Molecular structure of lignin; Condensed and non-condensed units; Ester and ether linked phenolic acids; Peroxidase; Horseradish peroxidase; *Phanerochaete chrysosporium* (Monties, B. (13) 277)

***Phanerochaete chrysosporium***
Lignin peroxidase genes; White-rot fungi; Fungal transformation; Manganese-dependent peroxidase; Karyotyping; Gene regulation (Reddy, C.A. (13) 137)

Veratryl alcohol; Lignin degradation; Basidiomycete; Chlorinated aromatics; Mediator (De Jong, E. (13) 153)

Lignocellulose; Lignin; Cellobiohydrolase; $\beta(1 \rightarrow 3)$-glucanase; Xylanolytic system; Transformation (Broda, P. (13) 189)

Biopulping; Lignin biodegradation; *Pleurotus eryngii*; Wheat straw; Aryl-alcohol oxidase; Laccase; Ultrastructure (Martínez, A.T. (13) 265)

Molecular structure of lignin; Condensed and non-condensed units; Ester and ether linked phenolic acids; Peroxidasic degradation of lignin; Peroxidase; Horseradish peroxidase (Monties, B. (13) 277)

Cellobiose dehydrogenase; Fenton reaction; Hydroxyl radicals; Lignocellulose breakdown (Wood, P.M. (13) 313)

Biopulping; White rot fungi; Lignin degradation; Ultrastructure; *Ceriporiopsis subvermispora* (Messner, K. (13) 351)

**Phylogeny**
Prochlorophytes; Chlorophyll *a* / *b* antenna; Light harvesting; Thylakoid organization; Ecological physiology (Post, A.F. (13) 393)

***Pleurotus eryngii***
Biopulping; Lignin biodegradation; *Phanerochaete chrysosporium*; Wheat straw; Aryl-alcohol oxidase; Laccase; Ultrastructure (Martínez, A.T. (13) 265)

**Prochlorophytes**
Chlorophyll *a* / *b* antenna; Light harvesting; Thylakoid organization; Phylogeny; Ecological physiology (Post, A.F. (13) 393)

***Pseudomonas* species**
Denitrification; $H_2$ oxidation; $N_2$ fixation; Rhizosphere; Taxonomy (Chan, Y.-K. (13) 95)

**Receptor**
*Clostridium difficile*; Toxin A; Toxin B; Mechanism (Wolfhagen, M.J.H.M. (13) 59)

**Rhizosphere**
Denitrification; $H_2$ oxidation; $N_2$ fixation; *Pseudomonas* species; Taxonomy (Chan, Y.-K. (13) 95)

***Rhodopseudomonas palustris***
Anaerobic metabolism; Aromatic compounds; Denitrifying pseudomonads (Elder, D.J.E. (13) 441)

**Rickettsiae**
Taxonomy; Molecular biology (Drancourt, M. (13) 13)

**Scanning electron microscopy**
Transmission electron microscopy; Wood biodegradation; White rot; Brown rot; Soft rot; Bacterial decay; EDXA; Immunogold cytochemistry (Daniel, G. (13) 199)

**Soft rot**
Transmission electron microscopy; Scanning electron microscopy; Wood biodegradation; White rot; Brown rot; Bacterial decay; EDXA; Immunogold cytochemistry (Daniel, G. (13) 199)

**Synergism**
*Bacteroides* sp.; Capsule; Abscess; Virulence; Anaerobic bacteria (Brook, I. (13) 65)

**Taxonomy**
Rickettsiae; Molecular biology (Drancourt, M. (13) 13)

Denitrification; $H_2$ oxidation; $N_2$ fixation; *Pseudomonas* species; Rhizosphere (Chan, Y.-K. (13) 95)

**Temperature optimum**
Bleaching; Hemicellulase; pH optimum; Xylanase (Lundgren, K.R. (13) 365)

**Thylakoid organization**
Prochlorophytes; Chlorophyll *a / b* antenna; Light harvesting; Phylogeny; Ecological physiology (Post, A.F. (13) 393)

**Toxin A**
*Clostridium difficile*; Toxin B; Mechanism; Receptor (Wolfhagen, M.J.H.M. (13) 59)

**Toxin B**
*Clostridium difficile*; Toxin A; Mechanism; Receptor (Wolfhagen, M.J.H.M. (13) 59)

***Trametes***
Bleaching; Delignification; Laccase; Manganese peroxidase (Reid, I.D. (13) 369)

**Transformation**
*Phanerochaete chrysosporium*; Lignocellulose; Lignin; Cellobiohydrolase; $\beta(1 \rightarrow 3)$-glucanase; Xylanolytic system (Broda, P. (13) 189)

**Transmission electron microscopy**
Scanning electron microscopy; Wood biodegradation; White rot; Brown rot; Soft rot; Bacterial decay; EDXA; Immunogold cytochemistry (Daniel, G. (13) 199)

**Transport**
Amino acid secretion; Bioenergetics; Kinetics; Coryneform bacteria; Transport mechanism (Krämer, R. (13) 75)

**Transport mechanism**
Transport; Amino acid secretion; Bioenergetics; Kinetics; Coryneform bacteria (Krämer, R. (13) 75)

**Ultrastructural modification**
White-rot fungi; Enzymes; Cell wall (Ruel, K. (13) 241)

**Ultrastructure**
Biopulping; Lignin biodegradation; *Pleurotus eryngii*; *Phanerochaete chrysosporium*; Wheat straw; Aryl-alcohol oxidase; Laccase (Martínez, A.T. (13) 265)

Biopulping; White rot fungi; Lignin degradation; *Ceriporiopsis subvermispora*; *Phanerochaete chrysosporium* (Messner, K. (13) 351)

**Veratryl alcohol**
Lignin degradation; Phanerochaete chrysosporium; Basidiomycete; Chlorinated aromatics; Mediator (De Jong, E. (13) 153)

Oxalic acid; Lignin peroxidase; Manganese peroxidase; Oxaloacetase; Glyoxylate oxidase; Wood-rotting basidiomycetes (Shimada, M. (13) 285)

**Veratryl alcohol as a mediator**
Lignin peroxidase redox cycle; Involvement of carbohydrate residues; Marcus theory; Long-range electron transfer (Schoemaker, H.E. (13) 321)

**Virulence**
*Bacteroides* sp.; Capsule; Abscess; Anaerobic bacteria; Synergism (Brook, I. (13) 65)

**Wheat straw**
Biopulping; Lignin biodegradation; *Pleurotus eryngii*; *Phanerochaete chrysosporium*; Aryl-alcohol oxidase; Laccase; Ultrastructure (Martínez, A.T. (13) 265)

**White rot**
Transmission electron microscopy; Scanning electron microscopy; Wood biodegradation; Brown rot; Soft rot; Bacterial decay; EDXA; Immunogold cytochemistry (Daniel, G. (13) 199)

**White-rot fungi**
Lignin; Lignin peroxidase; Manganese peroxidase; Laccase; Enzyme regulation (Hatakka, A. (13) 125)

Lignin peroxidase genes; *Phanerochaete chrysosporium*; Fungal transformation; Manganese-dependent peroxidase; Karyotyping; Gene regulation (Reddy, C.A. (13) 137)

Lignocellulose degradation; Hydrogen peroxide; Oxalate; Brown-rot fungi (Evans, C.S. (13) 235)

Enzymes; Ultrastructural modification; Cell wall (Ruel, K. (13) 241)

Biopulping; Lignin degradation; Ultrastructure; *Ceriporiopsis subvermispora*; *Phanerochaete chrysosporium* (Messner, K. (13) 351)

**Wood biodegradation**
Transmission electron microscopy; Scanning electron microscopy; White rot; Brown rot; Soft rot; Bacterial decay; EDXA; Immunogold cytochemistry (Daniel, G. (13) 199)

**Wood-rotting basidiomycetes**
Oxalic acid; Veratryl alcohol; Lignin peroxidase; Manganese peroxidase; Oxaloacetase; Glyoxylate oxidase (Shimada, M. (13) 285)

**Xylanase**
Bleaching; Kraft pulp (Viikari, L. (13) 335)

Bleaching; Hemicellulase; pH optimum; Temperature optimum (Lundgren, K.R. (13) 365)

*Aspergillus* spp.; Lignocellulosic material; Biopulping; Biobleaching; Industrial waste water treatment (Duarte, J.C. (13) 377)

**Xylanolytic system**
*Phanerochaete chrysosporium*; Lignocellulose; Lignin; Cellobiohydrolase; $\beta(1 \rightarrow 3)$-glucanase; Transformation (Broda, P. (13) 189)